

~~PCT Rec'd 13 NOV 2001~~ #9

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of
Anthony Keith CAMPBELL

Serial No. 09/831,142
(PCT/GB99/03654)

Box PCT
Attention: DO/EO

Filed May 7, 2001

PROTEIN AND DNA CODING THEREFOR

REQUEST FOR PERMISSION TO MAKE DRAWING CORRECTIONS

Commissioner for Patents

Washington, D.C. 20231

Sir:

Permission is respectfully requested to amend Figures 1, 2, 3, 4A and 4B, 5A and 5B, 6, 7A, 7B, 7C, and 9 as indicated in red on the accompanying prints.

Respectfully submitted,

YOUNG & THOMPSON

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November 13, 2001

Clone 40: (SEQ ID NO: 1)

GAATTCCGCACGACTCGGAAAGAACAAAATGGCTTGTATCGTTTCGGT
 GCTCTTGTGCGCTATGCTTAATGCAACCGGGTTCGGTGGAGAACTGACA
 ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTCAACTGTGGACT
 GGATGACCATTTCTACGACTATGGCTCAAGACAACTGTACGAA
 GATCGGGCTTGGGGGTGTCTGGGATTGAACGGGCGGCCAGGTACAC
 AAAAGCCCTCTGGAATTACTGGACTAACACGACAGCTCATGTTAACAA
 GAARRAACATCTTCGAGGGTGTGGAGAAATTGGCCGGCTAGTTGAC
 TAGACACCCAGGAAGCGGACTCTTACAGAACTTTAACAGAAATTCTC
 TAGCAAAATGCCAGGACTTACATGCTTATGGACGTTGGCTACAGGG
 ACGCTGATGATAAATGCTCGAGGACACAAATTGTGGTCAAGCTGAGGGT
 TCCCTATGACGAAGATAACATGGTGAATGGATGAGGTAAGGTGAT
 TCCATCTGAGACACGAGGATATCAAGGACTGTGGCTTCTAGACCC
 AAGATGTTGACTCGNTTATACGTGGACTCAAAACGAGTGTGATCTACCA
 GACACAGTAGAGGGAGGACACCCGGTCAAGAAACTGGAGAAATTCTT
 CTGGTAGATCTACAGACTTTTACAGCAGGACAACTGGCTGTACCC
 AGACACCTATACTGGCTCTCATCAATAATGTGTAACAGAAATATGCG
 ATAGAATATGAAATTAAATGTTAATAAACACTGGTTGAAATATGAAA
 AAAAAAAAAAACTCGAG

Clone 3: (SEQ ID NO: 2)

GAATTCCGCACGGGAAAGAACAAAATGGCTTGTATCGTTTCGGT
 GCTCTTGTGCGCTATGCTTAATGCAACCGGGTTCGGTGGAGAACTGACA
 ATGCGCGATGAATTGGACACAAGCTAATGAATATGTGTCAACTGTGGACT
 GGATGACCATTTCTACGACTATGGCTCAAGACAACTGTACGAG
 GATCGGGCTTGGGGGTGTCTGGGATTGAACGGGCGGCCAGGTACAC
 AAAAGCCCTCTGGAATTACTGGACTAACACGACAGCTCATGTTAACAA
 GAARRAACATCTTCGAGGGTGTGGAGAAATTGGCCGGCTAGTTGAC
 TAGACACCCAGGAAGCGGACTCTTACATGCTTATGGACGTTGGCTCAAGGG
 ACGCTGATGATAAATGCTCGAGGACACAAATTGTGGTCAAGCTGAGGTG
 TCCCTATGACGAAGATAACATGGTGAATGGATGAGGTAAGGTAT
 TCCATCTGAGACACGAGGATATCAAGGACTGTGGCTTCTAGACCC
 AAGATGTTGACTCGTATTACGTGGACTCAAAACGAGTGTGATCTACCA
 GACACAGTAGAGGGAGGACACCCGGTCAAGAAACTGGAGAAATTCTT
 CTGGTAGATCTACAGACACTTTTACAGCAGGACAACTGGCTGTACCC
 AGACACCTATACTGGCTCTCATCAATAATGTGTAACAGAAATATGCG
 ATAGAATATGAAATAA

Clone 5: (SEQ ID NO: 3)

GTCGGAAAGAACAAAATGGCTTGTATCGTTTCGGCTCTATGCTTAACTGCAACGGG
 TCCGGTGGAGGAAGTACACGCGATGAATTGGACACAAGCTAATGATAATGTGTTCAACTGGACTG
 GATGACCATTTCTACGACTATGGCTCAAGACAACTGTACGGGGATCGGGCTTGGGGTGTG
 TCGGATGAACTGGCGGCCAGGTACCAACAAAAGCCGCTGGATTAACGGAGTACGACAGCAGT
 ATGTTGAAACAGAAACAAATCTTCTGGGGTGTGGAGAAATTGCCCCGCTAGTTGACTACAGACCC
 ACAGGAAGACGGACTGAGAAAACCTTACAGAAAGAAATTCTCTAGAAAATGGCAGGACTTACATGCT
 TATGGACGTTGCGCTACAGGGACGCTGATGATAATGCTCGAGGACACAATTGTGGTGAAGCTGAG
 GTGTCCTATGAGGAGATAACATGGTGAATGGTGAAGGTAAGGTATTCTCATCTGAGACAAT
 CGAGGATGATAACAGGACTGTGGGCTTCTAGACAGGACTGTGAACCTGATTAACGTTGAGCTAAA
 CGAGTGTGATCTACAGGACACAGTAGACGGAGGCTGAAGACACCCCTGAGAAACTGGAGGAGATTCTTGT
 GTAGATCTACAGACACTTTTACAGCAGGACAACTGGCTGTACCCAGACACCTATAACGTTGCTCTCA
 TCAATAATGTGAAAAACGAAATACTGATAGAATATTGAAAATAAATGTTAATAGACACTGGTGAA
 AAAAAAAAAAAACTCGAG

Fig. 1

clone 40	GAATTGGCACGAGTCGGAAAAGAACAAAATGGCTTGTATCGTTTCGTT
clone 3	GAATTGGCACGAG--GGAAAAGAACAAAATGGCTTGTATCGTTTCGTT
clone 5	-----GTGGGAAAAGAACAAAATGGCTTGTATCGTTTCGTT

clone 40	GCTCTTGTGCGCTTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACA
clone 3	GCTCTTGTGCGCTTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACA
clone 5	GCTCTTGTGCGCTTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACA

clone 40	ATGCCGGATGAATTGGCACACAGCTAATGAATAATGTTCAACCGGGACT
clone 3	ATGCCGGATGAATTGGCACACAGCTAATGAATAATGTTCAACCGGGACT
clone 5	ATGCCGGATGAATTGGCACACAGCTAATGAATAATGTTCAACCGGGACT

clone 40	GGATGACCATTTTCATCTACGACTATGGCGCTCAAGAGCACTGTACGAA
clone 3	GGATGACCATTTTCATCTACGACTATGGCGCTCAAGAGCACTGTACGAG
clone 5	GGATGACCATTTTCATCTACGACTATGGCGCTCAAGAGCAACTGTACGAG

clone 40	GATCGGGCTTGGGGCTGTGTGCGATTGACGGGCCGGCCAGGTACAC
clone 3	GATCGGGCTTGGGGCTGTGTGCGATTGACGGGCCGGCCAGGTACAC
clone 5	GATCGGGCTTGGGGCTGTGTGCGATTGACGGGCCGGCCAGGTACAC

clone 40	AAAAGCCGCTGGATTAACGGACTAACGACACGCCGACTCATGTIAACAA
clone 3	AAAAGCCGCTGGATTAACGGACTAACGACACGCCGACTCATGTIAACAA
clone 5	AAAAGCCGCTGGATTAACGGACTAACGACACGCCGACTCATGTIAACAA

clone 40	AAAAAACATCTCTCGAGGTTGGGGAGAAATTGCCCCGTAGTTGAC
clone 3	AAAAAACATCTCTCGAGGTTGGGGAGAAATTGCCCCGTAGTTGAC
clone 5	AAAAAACATCTCTCGAGGTTGGGGAGAAATTGCCCCGTAGTTGAC

clone 40	TACAGACCAAGGGAGACGGRACTGAGAAAACCTTTACAAGAAAATCTC
clone 3	TACAGACCAAGGGAGACGGRACTGAGAAAACCTTTACAAGAAAATCTC
clone 5	TACAGACCAAGGGAGACGGRACTGAGAAAACCTTTACAAGAAAATCTC

clone 40	TAGCAAAATGCCAGGCACTTACATGCTTATGGACGTGTGGCTACAAAGG
clone 3	TAGCAAAATGCCAGGCACTTACATGCTTATGGACGTGTGGCTACAAAGG
clone 5	TAGCAAAATGCCAGGCACTTACATGCTTATGGACGTGTGGCTACAAAGG

clone 40	ACCGTGTGATAAAATGCACTGAAGGACACAAATTGTTGTGACAGTCAGGGTG
clone 3	ACCGTGTGATAAAATGCACTGAAGGACACAAATTGTTGTGACAGTCAGGGTG
clone 5	ACCGTGTGATAAAATGCACTGAAGGACACAAATTGTTGTGACAGTCAGGGTG

clone 40	TCCCTATATGACGAAGATAACAAATGGTGTAAATGGATGAAGGTAAAGGTAT
clone 3	TCCCTATATGACGAAGATAACAAATGGTGTAAATGGATGAAGGTAAAGGTAT
clone 5	TCCCTATATGACGAAGATAACAAATGGTGTAAATGGATGAAGGTAAAGGTAT

clone 40	TCCATCTGAGACAACTGAGGATGATATCAAGGACTGTGGCTCTAGACC
clone 3	TCCATCTGAGACAACTGAGGATGATATCAAGGACTGTGGCTCTAGACC
clone 5	TCCATCTGAGACAACTGAGGATGATATCAAGGACTGTGGCTCTAGACC

Fig. 2 (Part 1 of 2)

clone 40	AAGAT GTT GAA CTG ATT ATAC GTG GACT CAA AAC GAG TGT GAT CTACCA
clone 3	AAGAT GTT GAA CTG ATT ATAC GTG GACT CAA AAC GAG TGT GAT CTACCA
clone 5	AAGAT GTT GAA CTG ATT ATAC GTG GACT CAA AAC GAG TGT GAT CTACCA

clone 40	GACACAGTAGACGGAGCTGAAGACACACCGTCAGAAACTGGAAATTCTT
clone 3	GACACAGTAGACGGAGCTGAAGACACACCGTCAGAAACTGGAAATTCTT
clone 5	GACACAGTAGACGGAGCTGAAGACACACCGTCAGAAACTGGAAATTCTT

clone 40	CTGGTAGATCTATCAGACTACTTTTATCAGCAGGACAATGGTGTAA
clone 3	CTGGTAGATCTATCAGACCACTTTTATCAGCAGGACAATGGTGTAA
clone 5	CTGGTAGATCTATCAGACCACTTTTATCAGCAGGACAATGGTGTAA

clone 40	AGACACCTATAACGTGCTCTCATCATAATGTGTAACACAGAAAATATCG
clone 3	AGACACCTATAACGTGCTCTCATCATAATGTGTAACACAGAAAATATCG
clone 5	AGACACCTATAACGTGCTCTCATCATAATGTGTAACACAGAAAATATCG

clone 40	ATAGAATATTGAAAAATAAAATGTTAATAAACACTGGTTGAAATATGAAA
clone 3	ATAGAATATTGAAAAATAAAATGTTAATAAACACTGGTTGAAATATGAAA
clone 5	ATAGAATATTGAAAAATAAAATGTTAATAAACACTGGTTGAAA----AAA

clone 40	AAAAAAAAAAACTCGAG (SEQ ID No: 1)
clone 3	----- (SEQ ID No: 2)
clone 5	AAAAAAAAAAACTCGAG (SEQ ID No: 3)

Fig. 2 (Part 2 of 2)

GAATTGGCACGAGTCGGAAAAGAACAAAATGGCTTGATCGTTTCGTTGCTCTTG
8S
TCGCTCTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACAATGCGCGATGAATT
GGACACAAAGCTAATGAAATATGTGTTACGTTGGACTGGATGACCATTTCATCTACG
ACTATGGCGCTCAAGAGCAACTGTACGAAGATCGGGCTTGGGCTGTGTCGGATTG
3A
AACGGGCCGCCAGGTACCAAAAGCCGTCTGGATTAACGGAGTAACGACACGC
AGTCATGTTGAAACAAGAAAAACAACTTCTCGAGGTTGGTGAGAAATTGCCCGGC
4S
TAGTTGACTACAGACCAACAGGAAGACGGAACGTGAGAAAACCTTTACAAGAAATTCT
CTAGCAAAATGCCCCAGGCACTTACATGCTTATGGACGTGCGCTACAAGGGACGCTG
ATGATAAAATGCAAGGCACAATTGTGGTGAACAGTCAGGGTGTCCCTATATGACG
6A
AAGATAACAACTGGTGAATGGATGAAGGTAAAGGTGTTCCATCTGAGACAATCGAGGA
TGATATCAAGGACTGTGGGCTTCTAGACCAAGATGTTGAACCTGATTATACGTGGAC
7S
TCAAAACGAGGTGTGATCTACAGACACAGTAGACGAGGCTGAAGACACACCGTCAGA
AACTGGAGAATTCTCTGGTAGATCTATCAGACTACTTTATCAGCAGGACAACCTGG
TCGTTACCAAGACACCTATAACGTGTCCTCATCAATAATGTGAAACAGAAATAATC
GATAGAATATTGAAAATAAAATGTTAATAAACACTGGTTGAAATATGAAAAAA
5A
AAAAAAACTCGAG

Fig. 3 (β - e^{Q} 1D No. 1)

Untranslated region
GAATTCGGCACGATCGGAAAAAGACAAA

Translated region

ATG GCT TGT ATC GTT TTC GTT GCT CTT GTC GCT CTA TGC TTA ATG	45
M A C I V F V A L V A L C L M	
CAA CCG GGT TCC GGT GAG GAA GTA CAA TGC GCG ATG AAT TGG ACA	90
Q P G S G E E V Q C A M N N W T	
CAA GCT AAT GAA TAT GTG TTC AAC GTG GAC TGG ATG ACC ATT TTC	135
Q A N E Y V F N V D W M T I F	
ATC TAC GAC TAT GGG GCT CAA GAG CAA CTG TAC GAA GAT CGG GCT	180
I Y D Y G A Q E Q L Y E D R A	
TTG GGG CTG TGT CGG ATT GAA CGG GCC GGC CCA GGT ACC ACA AAA	225
L G L C R I E R A G P G T T K	
GCC GTC TGG ATT AAC TGG AGT AAC GAC CAG CAG TCA TGT GTA ACA	270
A V W I N W S N D T Q S C V T	
AGA AAA ACA ATC TTC TTC GAG GTT GGT GGA GAA ATT GCC CGG CTA	315
R K T I F F E V G G E I A R L	
GTT GAC TAC AGA CCA CAG GAA GAC GGA ACT GAG AAA ACT TTT ACA	360
V D Y R P Q E D G T E K T F T	
AGA AAA TTC TCT AGC AAA ATG CCA GGC ACT TAC ATG CTT ATG GAC	405
R K F S S K M P G T Y M L M D	
GTC TGC GCT ACA AGG GAC GCT GAT GAT AAA TGC ATC GAA GGC ACA	450
V C A T R D A D D K C I E G T	
ATT GTG GTG ACA GTC AGG GTG TCC CTA TAT GAC GAA GAT AAC AAT	495
I V V T V R V S L Y D E D N N	
GGT GTA ATG GAT GAA GGT AAG GTG ATT CCA TCT GAG ACA ATC GAG	540
G V M D E G K V I P S E T I E	
GAT GAT ATC AAG GAC TGT GGG CTC TTA GAC CAA GAT GTT GAA CTC	585
D D I K D C G L L D Q D V E L	
GAT TAT ACG TGG ACT CAA AAC GAG TGT GAT CTA CCA GAC ACA GTA	630
D Y T W T Q N E C D L P D T V	
GAC GAG GCT GAA GAC ACA CCG TCA GAA ACT GGA GAA TTC TTC TGG	675
D E A E D T P S E T G E F F W	
TAG ATC TAT CAG ACT ACT TTT ATC AGC AGG ACA ACT GGT CGT TAC	720
*	
CAG ACA CCT ATA ACG TGT CCT CAT CAA TAA	750

* = stop for translation

Fig. 4A (Seq ID nos 1 and 4)

EcoR I

GAATTCCGCACGAGTCGGAAAAGAACAAA

ATG GCT TGT ATC GTT TTC GTT GCT CTT GTC GCT CTA
TGC TTA ATG CAA CCG GGT TCC GGT GAG GAA GTA CAA
TGC GCG ATG AAT TGG ACA CAA GCT AAT GAA TAT GTG
TTC AAC GTG GAC TGG ATG ACC ATT TTC ATC TAC GAC
TAT GCC GCT CAA GAG CAA CTG TAC GAA GAT CGG GCT
TTG GGG CTG TGT CGG ATT GAA CGG GCC GGC CCA GGT
ACC ACA AAA GCC GTC TGG ATT AAC TGG AGT AAC GAC
ACG CAG TCA TGT GTA ACA AGA AAA ACA ATC TTC TTC
GAG GTT GGT GGA GAA ATT GCC CGG CTA GTT GAC TAC
AGA CCA CAG GAA GAC GGA ACT GAG AAA ACT TTT ACA
AGA AAA TTC TCT AGC AAA ATG CCA GCC ACT TAC ATG
CTT ATG GAC GTG TGC GCT ACA AGG GAC GCT GAT GAT
AAA TGC ATC GAA GCC ACA ATT GTG GTG ACA GTC AGG
GTG TCC CTA TAT GAC GAA GAT AAC ATT GCT GTA ATG
GAT GAA GGT AAG GTG ATT CCA TCT GAG ACA ATC GAG
GAT GAT ATC AAG GAC TGT GGG CTC TTA GAC CAA GAT
GTT GAA CTC GAT TAT ACG TGG ACT CAA AAC GAG TGT
GAT CTA CCA GAC ACA GTA GAC GAG GCT GAA GAC ACA
CCG TCA GAA ACT GGA GAA TTC TTC TGG TAG
ATCTATCAGACTACTTTATCAGCAGGACAACCTGGTCGTTACCAAGAC
ACCTATAACGTGTCCCTCATCAATAATGTGAAAAACAGAAATAATCGA
TAGAAATTTGAAAAATAAAATGTTAAATAAACACTGGTTGAAATATGAA
AAAAAAAAAAAAAAAAACTCGAG

Xba I

Fig. 4B (SEQ ID NO: 1)

EEVQCAMNWTQANEYVFNVDMTIFIFYDGAQEQLYEDRALGLCRIERAGPGTTKAV
WINWSNDTQSCVTRKTIFFEVGGEIARLVDPQEDGTEKTFTRKFSSKMPGTYMIM
DVCATRDADDKCIEGTIVVTVRVSLYDEDNNNGVMDEGVKVIPSETIEDDIKDCGLLDQ
DVELDYWTQNECDLPDTVDEAEDTPSETGEFFEW

Fig. 5A (SEQ ID NO: 5)

MACIVFVALVALCLMQPGSGEEVQCAMNWTQANEYVFNVDMTIFIFYDGAQEQLYE
DRAALGLCRIERAGPGTTKAVWINWSNDTQSCVTRKTIFFEVGGEIARLVDPQEDG
TEKTFTRKFSSKMPGTYMLMDVCATRDADDKCIEGTIVVTVRVSLYDEDNNNGVMDEG
KVIPSETIEDDIKDCGLLDQDVELDYWTQNECDLPDTVDEAEDTPSETGEFFEW

Fig. 5B (SEQ ID NO: 6)

clone 40 BioXAct rTth	GAATTGGCACGGAGTCGGAAAAAGAACAAAATGGCTGTATCGTTTCGTT TGGCTTGTATCGTTTCGTT
clone 40 BioXAct rTth	GCTCTTGTGCGCTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACA GCTCTTGTGCGCTATGCTTAATGCAACCGGGTCCGGTGAGGAAGTACA TATGCTTATGCAACCGGGTCCGGTGAGGAAGTACA *****
clone 40 BioXAct rTth	ATGGCGCATGAAATTGGACACAAGCTATGAAATATGTGTTCAACGTGGACT ATGGCGCATGAAATTGGACACAAGCTATGAAATATGTGTTCAACGTGGACT ATGGCGCATGAAATTGGACACAAGCTATGAAATATGTGTTCAACGTGGACT *****
clone 40 BioXAct rTth	GGATGACCATTTCATCTACGACTATGGCGCTCAAGGCAACTGTACGAA GGATGACCATTTCATCTACGACTATGGCGCTCAAGGCAACTGTACGAA GGATGACCATTTCATCTACGACTATGGCGCTCAAGGCAACTGTACGAA *****
clone 40 BioXAct rTth	GATCGGGCTTGGGGCTGTGCGGATTGAAACGGCCGGCCAGSTTACAC GATCGGGCTTGGGGCTGTGCGGATTGAAACGGCCGGCCAGSTTACAC GATCGGGCTTGGGGCTGTGCGGATTGAAACGGCCGGCCAGSTTACAC *****
clone 40 BioXAct rTth	AAAAAGCCGTCTGGATTAACTGGAGTAACGACAGCAGTCATGTAAACAA AAAAGCCGTCTGGATTAACTGGAGTAACGACAGCAGTCATGTAAACAA AAAAGCCGTCTGGATTAACTGGAGTAACGACAGCAGTCATGTAAACAA *****
clone 40 BioXAct rTth	AAAAAACAACTCTCTCGAGGTTGGTGGAGAAAATTGCCCCGTAGTTGAC AAAAAACAACTCTCTCGAGGTTGGTGGAGAAAATTGCCCCGTAGTTGAC AAAAAACAACTCTCTCGAGGTTGGTGGAGAAAATTGCCCCGTAGTTGAC *****
clone 40 BioXAct rTth	TACAGACCACAGGAAGACGGGAACCTGAGAAAATTTCACAGAAAATTCTC TACAGACCACAGGAAGACGGGAACCTGAGAAAATTTCACAGAAAATTCTC TACAGACCACAGGAAGACGGGAACCTGAGAAAATTTCACAGAAAATTCTC *****
clone 40 BioXAct rTth	TAGGAAATGCCAGGCACCTACATGCTTATGGACGTGCGCTACAGGG TAGGAAATGCCAGGCACCTACATGCTTATGGACGTGCGCTACAGGG TAGGAAATGCCAGGCACCTACATGCTTATGGACGTGCGCTACAGGG *****
clone 40 BioXAct rTth	ACGGTGTGATGATAAATGCGACAGGCAACATTGGTGGTGAACGTCAAGGG ACGGTGTGATGATAAATGCGACAGGCAACATTGGTGGTGAACGTCAAGGG ACGGTGTGATGATAAATGCGACAGGCAACATTGGTGGTGAACGTCAAGGG *****
clone 40 BioXAct rTth	TCCCTATATGCGAGAATACATGGTGTATGGATGAAGGTAGGGTGT TCCCTATATGCGAGAATACATGGTGTATGGATGAAGGTAGGGTGT TCCCTATATGCGAGAATACATGGTGTATGGATGAAGGTAGGGTGT *****
clone 40 BioXAct	TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTTCTAGACC TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCTTCTAGACC

Fig. 6 (Part 1 of 2)

rfth	TCCATCTGAGACAATCGAGGATGATATCAAGGACTGTGGGCCTTAGACC *****
clone 40 BioXact rfth	AAAGATGTTGAACTCGATTATACGTGGACTCAAACGAGTGTGATCTACCA AAAGATGTTGAACTCGATTATACGTGGACTCAAACGAGTGTGATCTACCA AAAGATGTTGAACTCGATTATACGTGGACTCAAACGAGTGTGATCTACCA *****
clone 40 BioXact rfth	GACACAGTAGACGAGGCTGAAGACACCCGTAGAAAACCTGGAGATTCTT GACACAGTAGACGAGGCTGAAGACACCCGTAGAAAACCTGGAGATTCTT GACACAGTAGACGAGGCTGAAGACACCCGTAGAAAACCTGGAGATTCTT *****
clone 40 BioXact rfth	CTGGTAGATCTATCAGACTACTTTATCAGCAGGACAACCTGGCTTACCG CTGGTAGATCTATCAGACTACTTTATCAGCAGGACAACCTGGCTTACCG CTGGTAGATCTATCAGACTACTTTATCAGCAGGACAACCTGGCTTACCG *****
clone 40 BioXact rfth	AGACACCTATAACGTGCTCTCATCAATAATGTTAAAACAGAAAATATCG AGACACCTATAACGTGCTCTCATCAATAATGTTAAAACAGAAAATATCG AGACACCTATAACGTGCTCTCATCAATAATGTTAAAAC *****
clone 40 BioXact rfth	ATAGAATATTGAAAAATAAAATGTTAATAAAACACTGGTTGAAATATGAAA ATAGAATATTGAAAAATAAAATGTTAATAAAACACTGGTTGAAATATGAA *****
clone 40 BioXact rfth	AAAAAAAAAAAAAAACTCGAG (SEQ ID NO: 1) (piece of SEQ ID NO: 1) (SEQ ID NO: 23)

Fig. 6 (Part 2 of 2)

Oligo 1

ACI ATH TTY TTY CAR GT

Oligo 2

CAR GAR GAR GGN ACI GA

Oligo 2A

TCI GTN CCY TCY TCY TG

Oligo N

TTY AAY GTI GAY TGG ATG

M=A/C

R=A/G
K=G/T

W=A/T

S=G/C

Y=C/T

V=A/C/G
H=A/C/T
I=inosine

D=A/G/T

B=C/G/T

N=A/C/G/T

Fig. 7A
*(SEQ ID nos 7-10, respectively,
 in order of appearance)*

Oligo 3A

ACA CAG CCC CAA AGC CCG AT

Oligo 4S

TTG CCC GGC TAG TTG ACT AC

Oligo 5A

CAT ATT TCA ACC AGT GTT TAT TAA

Oligo 6A

CAA TTG TGC CTT CGA TGC A

Oligo 7S

GGA CTG TGG GCT CTT AG

Oligo 8S

ATG GCT TGT ATC GTT TTC GT

Oligo T7

Fig. 7B
*(SEQ ID nos 11-16, respectively,
 in order of appearance)*

Oligo ExS

CCA CAC GGA TCC TGA GGA AGT ACA ATG

Oligo ExA

CCA CAC GGA TCC TTA TTG ATG AGG ACA

*Oligo Bac1*CTT GTT TTT ATG GTC GTC TAC ATT TCT TAC ATC TAT GCG GAG
GAA GTA CAA TG*Oligo C9 12*CCA CAC AGA TCT AGA ATG AAA TTC TTA GTC AAC GTT GCC CTT
GTT TTT ATG GTC*Oligo BV3*

TTT ACT GTT TTC GTA ACA GTT TTG

Oligo BV3

CAA CAA CGC ACA GAA TCT AG

Fig. 7C*(Seq ID nos 17-22, respectively,
in order of appearance)*

Fig. 9 (Part 1 of 2)
(piece of SE 4 1D No: 1)